



SECRETARY -- EDITOR

PRODUCED BI-MONTHLY BY H.V.VZ.U.G.

THIS PUBLICATION WAS PREPARED ON A STAR NX 1000 PRINTER USING DAVE MITCHELL'S PATCH 3.3 WITH E & F WORD PROCESSOR. HI & LO-RES SCREEN DUMPS AND LISTINGS WERE DONE USING LARRY TAYLOR'S PRINTER PATCH V1.4 AVAILABLE FROM VSOFTWAREZ WHILE PATCH3.3 IS AVAILABLE FROM HUNTER VALLEY VZ USERS' GROUP.

PAGE NUMBERING - WITH THIS ISSUE I'VE ADOPTED A NEW PAGE NUMBERING SYSTEM. FIRST NUMBER REFERS TO ISSUE NUMBER WHILE SECOND TO PAGE NUMBER.

FRONT COVER - AS I HAD PROBLEMS WITH PLANNED FRONT COVER DESIGN, AT LAST MOMENT I SUBSTITUTED MY PICTURE WHICH IS'NT A BAD LIKENESS.

- NEW SUBSCRIPTION RATES/CLUB NEWS/APOLOGIES & THANK YOU/ETC. Page 3
- HINTS AND TIPS ON INPUT STATEMENT, DISK STORAGE & RESISTOR VALUES . . . PAGE 4

- RETRIEVE BY DAVE MITCHELL (ANOTHER DISK UTILITY)............. PAGES 11-12
 THE VZ HAS A HABIT OF WIPING DISKS IF YOU LEAVE THEM IN THE DRIVE WITH DOOR CLOSED AT POWER UP OR RESET. DAVE'S UTILITY JUST MIGHT RETRIEVE THEM.
- E & F WORD PROCESSOR DARK TO LIGHT SCREEN MODS BY DAVE MITCHELL --- PAGES 12-13 SOME OF OUR SUBSCRIBERS WITH BLACK & WHITE TV'S FOR MONITORS FIND THE WHITE LETTERING ON DARK BACKGROUND WHEN USING WITH E & F W.P. BIT HARD ON THEIR EYES. THANKS TO DAVE THIS SITUATION CAN BE REVERSED.
- CUSTOMIZING E & F WORD PROCESSOR'S PRINT MENU BY NEVILLE HUGHES --- PAGES 14-15 NEVILLE PRESENTS TAPE USERS WITH A WAY TO MODIFY THEIR W.PROCESSOR'S PRINT MENU USING A MONITOR. YOU'LL NOTICE ARTICLE IS VERY SIMILIAR TO DISK VERSION.
- VZ USER GROUPS & PUBLICATIONS WANTED TO BUY CLUB & COMMITTEE . . PAGE 16
- NOTE THERE HAVE BEEN CHANGES TO COMMITTEE, SUBSCRIPTION RATES AND THE CLUB HAS DEMONSTRATIONS PLANNED FOR MEETINGS NOW. SEE PAGE 16 FOR COMING EVENTS.
- FOR SALE PATCH 3.3 EXTENDED DOS V1.3 MENU/FILE COPIER PAGE 17
 ONE OR MORE OF THE ABOVE DISK UTILITIES MIGHT BE JUST WHAT YOU WANT. I
 HAVE ALL THREE AND FIND THEM ALL VERY USEFULL.
- H.V.VZ JOURNAL SUPPLEMENT SOFTWARE LIST COMPILED BY EDDIE TOMES -- PAGES 14-18
 EDDIE HAS GONE TO A LOT OF TROUBLE IN COMMPILING A SOFTWARE LIST OF VZ
 PROGRAMS WHICH WERE AT ONE TIME COMMERCIALLY AVAILABLE. SAD TO SAY, SUCH IS
 NOT THE CASE ANYMORE AS MANY SOFTWARE SUPPLIERS HAVE FOLDED, BUT ALL IS NOT
 LOST TAHNKS TO EDDIE AS THERE COULD BE A CENTRAL LIBRARY OF VZ PROGRAMS.
- NOTE THIS SUPPLEMENT IS DESIGNED TO BE REMOVED FROM JOURNAL AND PLACED WITH PREVIOUS SUPPLEMENT AND IS NUMBERED ACCORDINGLY.
- COMING ISSUES DUE TO CIRCUMSTANCES BEYOND MY CONTROL IN LAST FEW MONTHS PLANNED ARTICLES HAVE BEEN POSTPONED AND SHOULD BE BACK TO NORMAL WITH NEXT ISSUE.

LAST ISSUE SAW OUR THIRD YEAR OF OPERATION AND IN THAT TIME THE JOURNAL'S PRICE HAS'NT INCREASED ALTHOUGH POSTAL AND OTHER CHARGES HAVE INCREASED SEVERAL TIMES.

It'S WITH REGRET THAT WE ANOUNCE A PRICE INCREASE FOR THE JOURNAL AS WE WISH TO KEEP BOTH THE CLUB AND JOURNAL VIABLE IN A DIMINISHING MARKET. AS YOU MAY BE AWARE THERE ARE ONLY THREE VZ PUBLICATIONS LEFT WITH BOTH VZ USER AND VZ LINK GOING UNDER.

AS I MENTIONED IN PREVIOUS ISSUE, YOUR SUPPORT EITHER AS A CONTRIBUTOR, SUBSCRIBER OR CLUB MEMBER IS VITAL TO THE SURVIVAL OF VZ USER GROUPS AND PUBLICATIONS AND ONE CAN'T EXIST WITHOUT THE OTHER, SO PLEASE KEEP UP YOUR SUPPORT.

NOTE - SEE PAGE 16 FOR NEW SUBSCRIPTION CHARGES.

CLUB NEWS/MEETINGS ------

AT OUR ANNUAL MEETING A NEW COMMITTEE WAS ELECTED WITH THREE OLD AND THREE NEW MEMBERS BEING ELECTED. ORGANISED CLUB MEETINGS WERE ONE RESULT OF NEW COMMITTEE IN ACTION WHICH I LONG ADVOCATED. IT'S OUR INTENTION TO HAVE SOME FORM OF DEMONSTRATION AT EACH MEETING FOR MEMBERS INFORMATION. THE LAST COUPLE WERE VERY WELL RECEIVED SO WE MUST BE ON THE RIGHT TRACK AT LAST.

MY THANKS TO OUR NEW TREASURER, GARY BULLEY FOR HELPING OUT WITH THIS ISSUE AND ALSO STARTING WITH THIS ISSUE, GARY WILL BE POSTING OUT JOURNALS WHICH MEANS YOU SHOULD GET THEM EARLIER THAN PREVIOUSLY.

NOTE - SEE PAGE 16 FOR COMING EVENTS AT H.V.VZ U.G. CLUB MEETINGS

APOLOGIES & THANK YOU -----

MY APOLOGIES ABOUT LAST COUPLE ISSUES WHICH WERE POSTED LATE AND SOME OF YOUR MAIL WHICH I HAVE'NT BEEN ABLE TO ANSWER. ALSO MY SINCERE THANKS FOR YOUR EXPRESSIONS OF SYMPHATY AT MY MOTHER'S PASSING AWAY, AND WISHES FOR MY WIFE'S AND MY OWN RECOVERY.

It's many months since I touched a soldering iron or a VZ, exept for producing Journal and as a result I'm way behind in projects and articles for Journal. Next issue should see things returning to normal and I thank you for bearing with me.

DISCLAIMER -----

EVERY EFFORT IS MADE TO ENSURE THE ACCURACY OF INFORMATION CONTAINED WITHIN BE IT GENERAL, TECHNICAL, PROGRAMMING, ETC. NO RESPONSIBILITY CAN BE ACCEPTED BY H.V.VZ.U.G. OR AUTHOR AS A RESULT OF APPLYING SUCH INFORMATION.

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PROGRAMMING BY ROBERT QUINN :-

WHEN USING THE INPUT STATEMENT YOU NORMALLY CANNOT ENTER A COLON (:) OR A COMMA (,). THE COLON OR COMMA, AND ANY TEXT YOU TYPE IN BEYOND, IN A STRING INPUT IS NOT ACCEPTED AND YOU GET THE DREADED ?EXTRA IGNORED MESSAGE. ALL THIS CAN BE AVOIDED BY STARTING YOUR INPUT STRING WITH QUOTES. TYPE IN THE PROGRAM BELOW AND RUN IT. :-

10 CLS 20 INPUT" TESTING , & : IN INPUT STRING ";A\$ 30 GOTO 20

TRY ENETERING IN TURN A COMMA AND A COLON AND PRESSING RETURN AFTER EACH ENTRY AND YOU'LL GET :-

?EXTRA IGNORED

NEXT TYPE IN "TEST: DOES IT WORK?, YES! AND PRESS RETURN BINGO, IT DOES WORK, THE ?EXTRA IGNORED HAS BEEN DEFEATED.

DOUBLING DISK STORAGE

AS YOU MAY OR MAY NOT KNOW THE REVERSE SIDE OF A DISK CAN BE USED FOR PROGRAM OR DATA STORAGE. YOU'LL HAVE TO CUT A MATCHING NOTCH ON OPPOSITE SIDE OF DISK FIRST OTHERWISE YOU'LL GET DISK WRITE PROTECTED ERROR MESSAGE. YOU CAN BUY A COMMERCIAL DISK NOTCHER AS SOLD BY D. SMITH FOR AROUND \$10.00.

THERE IS A CHEAPER ALTERNATIVE. YOU COULD USE SCISSORS OR BETTER STILL PURCHASE A SINGLE HOLE PUNCH FOR AROUND \$1.50-\$2.00 AVAILABLE FROM MOST DEPARTMENT STORES LIKE K-MART, WOOLWORTHS OR NEWSAGENTS, ETC. WITH THE MONEY YOU SAVE YOU COULD PURCHASE ABOUT 8 DISKS.

USING HOLE PUNCH WILL PRODUCE HALF ROUND CUTOUT WHICH WORKS THE SAME AS THE SQUARE ONE. AS A BONUS SINGLE HOLE PUNCH CAN BE USED ALSO FOR IT'S ORIGINAL DESIGN TO MAKE HOLES IN PRINTOUTS TO BE STORED IN RINGBINDERS. IN OTHER WORDS, TWO FOR PRICE OF ONE.

LSTTL & CMOS RESISTOR VALUES

WHEN DESIGNING SOME OF MY PROJECTS WHOSE CIRCUITS ARE REPRODUCED IN THE JOURNAL INVOLVING LSTTL & CMOS IC'S I KEEP FORGETTING THAT SAME VALUE PULL UP RESISTOR WILL NOT ALLWAYS WORK PROPERLY FOR BOTH AND CAN CAUSE CIRCUIT MALFUNCTION.

LSTTL INPUT - 1K TO +5V FOR UNUSED INPUTS OR DIRECTLY TO GROUND.
LSTTL OUTPUT TO LSTTL INPUT - 3K3-4K7 TO +5V
LSTTL OUTPUT TO CMOS INPUT - 10K-100K TO +5V
CMOS OUTPUT TO LSTTL INPUT - 3K3-4K7 TO +5V

THE ABOVE IS JUST A GUIDE AND MY FAILURE TO OBSERVE PROPER VALUES WITH MIXED IC FAMILIES HAS CAUSED SOME PROJECT BUILDERS TO HAVE FAILURES AND MY SINCERE APOLOGIES TO THEM.

NOTE - DO NOT ENTER LEADING ZEROES IN LINE NUMBERS AS THEY ARE RESULT OF BASIC PROGRAM TO WORD PROCESSOR FILE CONVERSION FOR USE BY WORD PROCESSOR.

```
00001 **************
00002 '*** INTERRUPT DRIVEN
            REAL TIME CLOCK
00003 '***
                               ***
00004 '*** FOR VZ COMPUTER
                               ***
00005 '***
                               ***
              BY BOB KITCH
00006 '***TIME KEEPING ROUTINE***
00007 ***
           IS COMPLETELY
00008 '***
              RELOCATABLE
00009 '******************
00010 '
00020 GOTO 100
00027 '***USEFUL NUMERIC LOADING SUB-ROUTINES.
00028 '
00029 '***CONVERT UNSIGNED TO SIGNED DECIMAL - PASSED IN UD & SD%.
00030 IF UD>32767 THEN SD%=INT(UD-65536) ELSE SD%=INT(UD)
00035 RETURN
00038
00039 '***CONVERT UNSIGNED DECIMAL TO MSB & LSB - IN UD, MS%, LS%.
00040 MS%=INT(UD/256):LS%=INT(UD-256*MS%)
00045 RETURN
00048 '
00049 '***CONVERT SIGNED TO UNSIGNED DECIMAL - PASSED IN SD% & UD.
00050 IF SD%<0 THEN UD=SD%+65536 ELSE UD=SD%
00055 RETURN
00098
00099 '***PUT UP INTRO MESSAGE.
00100 CLS:PRINT04, "REAL TIME CLOCK ROUTINE"
00110 PRINTa197, "LOADING MACHINE CODE"
00199 '
00200 '***LOWER TOM TO ENABLE ROUTINE TO BE STORED.
00210 TM=(256*PEEK(30898)+PEEK(30897))-100 : '***RESERVE 99 BYTES.
00220 UD=TM:GOSUB 40:POKE 30898,MS%:POKE 30897,LS%
00230 CLEAR 100
                                            : '***RESET POINTERS.
00240 S%=0:M%=0:H%=0:SA%=0:MA%=0:HA%=0
00250 UD=0:TM=0:AD=0:SD%=0:MS%=0:LS%=0
                                            : '***INITIALIZE STORAGE
                                            : '***BEFORE DIMEN'ING.
00260 I%=0:J%=0:DV%=0:CS%=0
                                            : '***INITIALIZE ARRAY.
00270 DIM VA%(2.23)
                                            : ' ***NEW TOM.
00280 TM=256*PEEK (30898) +PEEK (30897)
00299
00300 '***READ IN TIME KEEPING ROUTINE.
00310 FOR AD=TM+1 TO TM+77
         UD=AD:GOSUB 30:READ DV%:POKE SD%,DV%
00320
         CS%=CS%+DV%
00330
00340 NEXT AD
00350 IF CS%<>8110 THEN PRINT@293, "CHECKSUM NOT COPRECT": CS%: STOP
00399
00400 '***INITIALIZE POINTERS IN VA%().
00410 FOR 1%=0 TO 23
         READ VA% (0, 1%): UD=TM+VA% (0, 1%): GOSUB 30: GOSUB 40
00420
         VA% (0, I%) = SD%: VA% (1, I%) = LS%: VA% (2, I%) = MS%
00430
00440 NEXT 1%
00499
00500 '***MODIFY DUMMY ADDRESSES IN TIME KEEPING ROUTINE.
00510 POKE VA%(0,4), VA%(1,0):POKE VA%(0,5), VA%(2,0): '*** < KOUNT>
                                             : '*** < SEC > < MIN > < HOUR >
00520 FOR 1%= 1 TO 3
                                             : '*** OCC 'ENCES EACH
00530
         FOR J%=1%*6 TO 1%*6+4 STEP 2
```

```
POKE VA%(0,J%),VA%(1,I%):POKE VA%(0,J%+1),VA%(2,I%)
00540
         NEXT J%
00550
00560 NEXT I%
00570 SA%=VA%(0,1):MA%=VA%(0,2):HA%=VA%(0,3):'ADDR FOR SEC.MIN.HR
0006001 '***SET UP JUMP ADDRESS IN INTERRUPT VECTOR.
00610 UD=TM+1:GOSUB 40
00620 POKE 30846, LS%: POKE 30847, MS% : '***BYTES 2 & 3.
                                  :'***DEBUG JUMP TO PRINTER LISTING.
00630 GO TO 20000
00699 '
00700 '***SET TIME.
00710 PRINT@293,"***ENTER CURRENT TIME."
00720 PRINT@325,"INPUT HOURS";:INPUT DV%
00730 IF DV%<1 OR DV%>12 THEN GOTO 720 ELSE POKE HA%,DV%
00740 PRINT@389, "INPUT MINS ";: INPUT DV%
00750 IF DV% 0 OR DV%>60 THEN GOTO 740 ELSE POKE MA%, DV%
 00799
00800 '***STEAL INTERRUPT VECTOR,
                                                        . ' ** * JUMP TO TIME ROUTINE.
 00810 POKE 30845,195
 ØØ899
 00900 '***DISPLAY TIME ON BOTTOM LINE OF SCREEN.
 00910 FOR 1%=29120 TO 29151
 00920 POKE 1%,109
 00930 NEXT I%
 00940 T$="TIME ##:##:##"
                                                         : '***DISPLAY TEMPLATE.
                                                         : '***REMOVE REM IF REQ'D.
 00950 'CLS
 00960 S%=PEEK (SA%):M%=PEEK (MA%):H%=PEEK (HA%)
 00970 PRINT2484, USING T$; HZ, MZ, SZ;
 00980 GOTO 960
 00999
 02000 '***TIME KEEPING ROUTINE***
 02010 '***ALL ADDRESSES SET TO 255 ARE DUMMY PARAMETERS AND ARE
 02020 '***RESET FROM BASIC.
 02030 '***REGISTERS USED AF, BC, HL.
 03000 '
 03010 '
                                   ***COUNT DOWN SECONDS.
 03020 DATA 033,255,255: LD HL,KOUNT
03030 DATA 053 : DEC(HL)
03040 DATA 192 : RET NZ
 03050 ****SECONDS ROU
03060 DATA 054,050 : LD(HL),50
03070 DATA 058,255,255: LD A,(SEC)
03080 DATA 060 : INC A
03090 DATA 254,060 : CP 60
03100 DATA 040,005 : JR Z,L1
                                 ***SECONDS ROUTINE.
 03100 DATA 040,005 : LD(SEC),A
03110 DATA 050,255,255: LD(SEC),A
03120 DATA 024,056 : JR L4
 03130 ****MINUTES ROUTIN 03140 DATA 033,255,255: L1 LD HL,SEC 03150 DATA 054,000 : LD(HL),0 03160 DATA 058,255,255: LD A,(MIN) 03170 DATA 060 : INC A 03180 DATA 254,060 : CP 60 03190 DATA 040,005 : JR Z,L2 03200 DATA 050,255,255: LD(MIN),A 03210 DATA 024,038 : JR L4 ***HOUR ROUTINE.
  03220
  03230 DATA 033,255,255: L2 LD HL,MIN
03240 DATA 054,000 : LD(HL),0
03250 DATA 001,000,001: LD BC,256
```

```
03260 DATA 033,042,000:
03260 DATA 033,042,000: LD HL,42
03270 DATA 205,092,052: CALL 345CH
03280 DATA 058,255,255: LD A,(HOUR)
03290 DATA 060 : INC A
03300 DATA 254,013 : CP 13
03310 DATA 040,005 : JR Z,L3
03320 DATA 050,255,255: LD(HOUR),A
03340 ' ***HOUR RESET ROUTINE.
                                    LD HL,42
03430 DATA 201 : L4 RET
 03999 '
04000 ****OFFSETS FOR PARAMETER STORAGE ABOVE ROUTINE.
 04010 DATA 73 : 'KOUNT
                             : 'SEC
04030 DATA 75 : 'MIN
04040 DATA 76 : 'HOIF
 04020 DATA 74
                             : 'HOUR
 04200 '***OFFSETS FOR PARAMETERS IN MACHINE CODE ROUTINE.
 04210 DATA 2,3 :'<KOUNT>
                             : ' < SEC >
 04220 DATA 9,10
04230 DATA 17,18 :'<SEC>
04230 DATA 17,18 :'<SEC>
04240 DATA 22,23 :'<SEC>
04250 DATA 27,28 :'<MIN>
04260 DATA 35,36 :'<MIN>
04270 DATA 40,41 :'<MIN>
04280 DATA 54,55 :'<HOUR>
04300 DATA 67,68 :'<HOUR>
 04310 STOP
 04999 '
 09999 '***UPDATE DISK FILE.
 10000 ERA "RTCLOCK" : SAVE "RTCLOCK"
 10010 STOP
 19999
 20000 '***DEBUG DUMP TO PRINTER.
 20010 '***TO ACTIVATE, TAKE OUT REMARK IN LINE#630.
 20020 LPRINT"DEBUG DUMP FROM REAL TIME CLOCK": LPRINT
 20030 LPRINT "TOM=", TM: LPRINT
 20040 LPRINT"INTERRUPT VECTOR", PEEK (30846), PEEK (30847):LPRINT
 20050 LPRINT"PARAMETERS"
 20060 FOR 1%=0 TO 3
          LPRINT 1%, VA% (0, 1%), VA% (1, 1%), VA% (2, 1%)
 20080 NEXT 1%:LPRINT
 20090 LPRINT"POINTERS IN VA()"
 20100 FOR I%=4 TO 23
            LPRINT 1%, VA% (0, 1%), VA% (1, 1%), VA% (2, 1%)
 20110
 20120 NEXT I%:LPRINT
 30000 END
```

I SAW A MACHINE CODE PROGRAM FOR AN APPLE A WHILE AGO AND I WANTED TO KNOW HOW IT WORKED TO MODIFY IT FOR THE Z-80. THE MACHINE CODE WAS IN DATA STATEMENTS IN A BASIC LOADER PROGRAM AND I COULDN'T BE BOTHERED DISASSEMBLING IT BY HAND. SO I WROTE THIS PROGRAM TO DO IT FOR ME. YOU SIMPLY TYPE THE CODE IN FROM LINE 9000 ON ENDING IT WITH A -1 TO TELL THE COMPUTER WHEN IT'S FINISHED.

THE PROGRAM IS SET UP TO DISASSEMBLE 6502/6510 MACHINE CODE. BUT WITH A LITTLE BIT OF EFFORT CAN BE MODIFIED TO DISASSEMBLE THE CODE OF ANY SIMPLE MICROPROCESSOR. THE Z-80, 8086, AND A FEW OTHERS ARE OUT BECAUSE THEY HAVE PREFIXES TO DO THINGS LIKE MUCKING AROUND WITH THE IX AND IY REGISTERS AND THE PROGRAM JUST CAN'T HANDLE THAT. MODIFYING THE PROGRAM SHOULD BE EASY FOR ANYONE COMPETENT IN BASIC.

BY THE WAY, IF YOU'RE WONDERING WHAT YOU CAN USE THE PROGRAM FOR, REMEMBER THAT THE 6502/6510 IS IN COMPUTERS LIKE THE VIC-20. THE COMMODORE 64,128 ETC, THE BBC, ORIC, ATARI COMPUTERS AND MORE. THESE COMPUTERS MIGHT HAVE A FEW IDEAS THAT MIGHT BE WORTH PUTTING ON THE VZ.

```
10
     CLEAR 100
100
    GOSUB 7000
110
     GOSUB 1000
     GOSUB 2000
120
     INPUT" RETURN TO BASIC (Y/N)"; A$: IFA$="Y", END
     GOTO 110
140
1001 REM ^^ PUT TITLE THERE
1010 PRINTag6," OUTPUT TO SCREEN OR PRINTER (S,P)
1020 INPUTAS
1030 PRINTa160," "
1031 PRINTa96," OUTPUT IN HEX OR DEC.
                                                  (H.D)
1032 INPUTA$
1033 IFA$="H", HD=1ELSEHD=0
1034 PRINTa160,"
1040 IFAS="P",OD=1 ELSE OD=0
1050 PRINT@96," WHERE DOES CODE BEGIN
                                                (IN DECIMAL )"
1060 INPUT SA
1070 RETURN
2000 DA=0:NA=0:
2010 D=D%(DA):IFD=-1.RETURN
2012 OP=0
2015 FORX=1T0256:IFD=D1(X),OP=X:X=256
2020 NEXT
2025 AM=D2(OP)
2030 IFOP=0, PRINT" CANNOT CONTINUE, NO. "D"NOT FOUND. ":GOSUB3000
2040 NN=SA+DA:GOSUB4300:GOSUB 2600
2045 P$=P$+"
                 "+D3$(OP)+" ":NA=DA+A1(AM)
2050 IFA2(AM)=1.P$=P$+"("
2060 P$=P$+A4$(AM)
2070 IFA3(AM)=1,GOSUB 2700
2071 IFA3(AM)=2,GOSUB 2800
2072 IFA3(AM)=3,GOSUB 2900
2080 IFA2(AM)=1,P$=P$+")"
2090 POKE30876.OD
2100 PRINTP$:P$="":
2110 DA=NA
2500 GOTO 2010
```

```
2600 NN=D%(DA):GOSUB 4200
              " :P$=P$+"
2605 S$="
2610 IFA3(AM)>0,NN=D%(DA+1):GOSUB 4200 ELSE P$=P$+S$
2615 P$=P$+" "
2620 IFA3(AM)=1,NN=D%(DA+2):GOSUB 4200 ELSEP$=P$+S$
2650 RETURN
2700 NN=D%(DA+1)+D%(DA+2)*256:GOSUB 4300 :RETURN
2800 NN=D%(DA+1):GOSUB 4200:RETURN
2900 NN=D%(DA+1):IFNN>128,NN=NN-256
2910 GOSUB 4200
                  :RETURN
3000 END
4000 REM DEC-HEX (0-FF)
4010 H1=INT(HN/16):H2=HN-H1*16+48:H1=H1+48:IFH1>57,H1=H1+7
4020 IFH2>57,H2=H2+7
4030 HN$=CHR$(H1)+CHR$(H2)
4040 RETURN
4100 REM DEC-HEX (0-FFFF)
4110 H3=INT(HN/256):H4=HN-H3*256:HN=H4:GOSUB 4000:H9$=HN$
4120 HN=H3:GOSUB 4000:HN$=HN$+H9$:RETURN
4200 REM NUMBER CONVERT 1 BYTE
4210 IF SGN(NN)=-1,NG$="-":NN=ABS(NN) ELSE NG$=" "
4220 IFHD=1, HN=NN:GOSUB4000:P$=P$+NG$+HN$+" ":RETURN
4230 P$=P$+NG$+MID$(STR$(NN)+" ",2,3):RETURN
4300 REM NUM. CONVERT (0-65536)
4310 IF HD=1, HN=NN:GOSUB 4100:P$=P$+HN$:RETURN
4320 P$=P$+MID$(STR$(NN)+" ",2,5):RETURN
7000 DIM D1(256),D2(256),D3$(256),A1(8),A2(8),A3(8),A4$(8)
7010 DIM D%(5000)
7020 RESTORE
7050 READ A,B,C$:L=L+1:IFA=256,7060
7055 D1(L)=A:D2(L)=B:D3$(L)=C$:GOTO 7050
7060 READ AM
7070 FORX=1TOAM:READA1(X),A2(X),A3(X),A4$(X):NEXT
7100 REM READ DATA
7105 L=0
7110 READ D:D%(L)=D:L=L+1:IFD<>-1,7110
7200 RETURN
7210 :
                                     8024 DATA 212,3,CPY
8000 DATA 105,1,ADC
                                      8025 DATA 206,2,DEC
8001 DATA 109,2,ADC
                                     8026 DATA 198,3,DEC
8002 DATA 101,3,ADC
                                     8027 DATA 222,4,DEC
8028 DATA 202,6,DEX
8029 DATA 238,2,INC
8030 DATA 230,3,INC
8003 DATA 125,4,ADC
8004 DATA 121,5,ADC
8005 DATA 144,7,BCC
8006 DATA 176,7,BCS
8007 DATA 240,7,BEQ
                                      8031 DATA 254,4,INC
                                     8032 DATA 232,6,INX
 8008 DATA 48,7,BMI
                                  8033 DATA 200,6,INY
 8009 DATA 208,7,BNE
                                      8034 DATA 76,2,JMP
 8010 DATA 16,7,8PL
                                      8035 DATA
                                                 32,2,JSR
 8011 DATA 80,7,BVC
                                      8036 DATA 169,1,LDA
 8012 DATA 112,7,BVS
                                      8037 DATA 173,2,LDA
 8013 DATA 24,6,CLC
                                      8038 DATA 165,3,LDA
 8014 DATA 201,1,CMP
                                      8039 DATA 189,4,LDA
 8015 DATA 205,2,CMP
                                      8040 DATA 185,5,LDA
 8016 DATA 197,3,CMP
 8017 DATA 221,4,CMP
8018 DATA 217,5,CMP
8019 DATA 224,1,CPX
8020 DATA 236,2,CPX
                                      8050 DATA 162,1,LDX
                                      8060 DATA 174,2,LDX
                                      8061 DATA 166,3,LDX
                                 8063 DATA 160,1,LDY
8064 DATA 172,2,LDY
                                       8062 DATA 190,5,LDX
 8021 DATA 228,3,CPX
 8022 DATA 192,1,CPY
                                       8065 DATA 164,3,LDY
```

8023 DATA 204,2,CPY

```
8066 DATA 188,4,LDY
8067 DATA 96,6,RTS
8068 DATA 233,1,SBC
8069 DATA 237,2,SBC
8070 DATA 229,3,SBC
8071 DATA 253,4,SBC
8072 DATA 249,5,SBC
8073 DATA 56,6,SEC
8074 DATA 141,2,STA
8075 DATA 133,3,STA
8076 DATA 157,4,STA
8077 DATA 153,5,STA
8078 DATA 142,2,STX
8079 DATA 134,3,STX
8080 DATA 140,2,STY
8081 DATA 132,3,STY
8082 DATA 170,6,TAX
8083 DATA 168,6,TAY
8084 DATA 138,6,TXA
8085 DATA 152,6,TYA
8086 DATA 136,6,DEY
8087 DATA 181,1,???
8200 DATA 256,0,0
8300 DATA 7 :' NO. OF MODES
8301 REM BYTES, BRAC, ADDR/DATA/2'S COMP, STRING
8302 DATA 2,0,2,""
8303 DATA 3,1,1,
8304 DATA 2,1,2,
8305 DATA 3,1,1,"X+"
8306 DATA 3,1,1,"Y+"
8307 DATA 1,0,0,""
8308 DATA 2,0,3,""
福利尼加斯姆斯西尼斯里斯西
9001 REM END WITH "DATA -1"
9010 DATA 160,2,162,0,185,6,0,240,1,232,136,16
9020 DATA 247,189,79,3,141,45,3,142,85,3,162,2
9030 DATA 181,6,208,5,172,85,3,208,3,32,44,3
9040 DATA 202,16,241,198,9,208,235,96,160,0,140,83
9050 DATA 3,160,255,140,84,3,168,240,3,141,48,192
9060 DATA 206,84,3,208,3,206,83,3,136,192,255,208
9070 DATA 243,172,83,3,208,232,96
9080 DATA -1
```

DIRECTORY LABEL LISTING ERROR ---

DAVE SENDS HIS APOLOGIES ABOUT THE ERROR WHICH CREPT IN AND PROVIDES A FIX WHICH WILL GET THE PROGRAM UP AND RUNNING. THE PROBLEM WAS IN LINE 40, FIRST BASIC LISTING, NOT SECOND. LINE 40 COULD BE LEFT OUT OR A CORRECTION MADE AS SHOWN.

40 FOR I=31524 TO 31530:POKE I,0:NEXT:LIST

ABOVE IS LINE 40 AS IT APPEARED IN ISSUE # 24 WHILE BELOW IS CORRECTED LINE 40.

40 FOR I=31524 TO 31530:POKE I,0:NEXT:POKE 31465,37:LIST

AS THE DIR ALLOWS ONLY 8 CHARACTERS FOR FILE NAME IT DOES'NT ALLOW FOR MUCH INFORMATION TO BE STORED ABOUT PROGRAM, SO I USE THE DIRECTORY LABEL UTILITY EXTENSIVELY TO LABEL MY DISKS WITH DATE. PROGRAM INFORMATION, ETC.

RETRIEVE BY DAVE MITCHELL - 25/11 (ANOTHER DISK UTILITY)

After wiping out a few disks by leaving the drive door closed when I reset the VZ, I soon learnt to open the door (placing write protect labels on disks will also stop the problem) however I found that mostly, the only track that was wiped out was track zero and track 1 to track 39 were intact.

ALL I HAD TO DO WAS WRITE A SMALL ROUTINE TO READ FROM DISK SO I COULD RETRIEVE THOSE PROGRAMS THAT WERE LOST. TO RETRIEVE THE PROGRAMS YOU MUST KNOW THE :-

START TRACK ON DISK (IN HEX [XX])
START SECTOR ON DISK (IN HEX [XX])
START ADDRESS OF THE PROGRAM IN MEMORY (IN HEX [XXXX])
AND THE FILENAME AND FILETYPE.

SOME OF YOU WOULD ASK HOW DO WE FIND THEM OUT ??

ALL THIS INFORMATION WAS STORED ON TRACK ZERO (WHICH WAS WIPED OUT), OR AS YOU KNOW IT - THE DIRECTORY

TRACK 0, SECTOR 0 TO 14 IS USED AS THE DIRECTORY EACH SECTOR HOLDS 8 ENTRIES AND 1 DISK CAN HOLD A MAXIMUM OF 120 FILENAMES NOT 112 AS THE TEC. MANUAL STATES.

EACH ENTRY CONTAINS 16 BYTES OF INFORMATION :-

FILETYPE 1 BYTE
DELIMITOR (:) 1 BYTE
FILENAME 8 BYTES
START TRACK 1 BYTE
START SECTOR 1 BYTE
START ADDRESS 2 BYTES
END ADDRESS 2 BYTES

THE NORMAL DIR COMMAND DOES NOT SHOW THE START, END ADDRESS OR START TRACK, SECTOR. YOU WILL REQUIRE EXTENDED DOS COMMANDS AS WRITTEN BY LARRY TAYLOR OR MYSELF. THERE MAY BE OTHER AUTHORS OF EXTENDED DOS/BASICS THAT I AM NOT AWARE OF.

AGAIN TAKE CARE TYPING IN THE BASIC LOADER AS YOU CAN SEE THE DATA STATEMENTS ARE GROWING LONGER WITH EACH ARTICLE.

ONCE YOU HAVE THE M/C PROGRAM SAVED ON DISK BRUN IT. IF A DISK ERROR OCCURS THE PROGRAM WILL RETURN TO BASIC TYPING -

PRINTUSR(0) WILL RESTART THE PROGRAM.

```
00010 FORI=-28672TO-28188:READA:POKEI,A:B=B+A:NEXT
00020 IFB<>46316THENPRINT"ERROR IN DATA":END
00030 BSAVE"RETRIEVE",9000,91E6
00100 DATA33,6,144,34,142,120,33,229,145,34,97,145,33,99,145,205
00110 DATA20,145,205,35,145,253,119,18,33,123,145,205,20,145,205
00120 DATA35,145,253,119,17,33,146,145,205,20,145,205,35,145,50
00130 DATA96,145,205,35,145,50,95,145,205,84,145,205,53,64,183
00140 DATA194,14,64,253,110,49,253,102,50,237,91,97,145,1,126,0
00150 DATA237,176,237,83,97,145,126,183,40,10,253,119,18,35,126
00160 DATA253,119,17,24,216,27,26,183,40,251,19,19,19,237,83,249
00170 DATA120,33,229,145,34,164,120,34,97,145,205,11,64,251,33
00180 DATA169,145,205,20,145,62,32,18,253,229,209,19,1,8,0,237
```

```
00190 DATA176,33,187,145,205,117,43,205,73,0,254,13,40,249,253
00200 DATA119,9,205,58,3,58,175,122,183,32,250,243,205,80,52,205
00210 DATA84,145,205,68,64,183,194,14,64,205,84,145,205,44,64,254
00220 DATA2,40,8,183,194,14,64,62,13,24,248,19,19,213,26,19,79
00230 DATA26,19,71,26,19,111,26,103,183,237,66,237,75,95,145,209
00240 DATA121,18,19,120,18,19,9,253,126,9,254,84,32,1,35,125,18
00250 DATA19,124,18,205,50,64,183,194,14,64,205,11,64,251,33,205
00260 DATA145,205,117,43,205,73,0,254,89,202,6,144,33,233,122,34
00270 DATA164,120,205,77,27,195,25,26,205,117,43,205,58,5,56,236
00280 DATA26,254,32,40,231,35,201,6,2,17,0,0,126,254,48,56,31,254
00290 DATA58,56,10,254,65,56,23,254,71,48,19,214,7,230,15,72,6
00300 DATA4, 203, 35, 203, 18, 16, 250, 179, 95, 65, 215, 16, 220, 120, 254, 2
00310 DATA210,151,25,123,201,243,205,8,64,1,50,0,205,56,64,201
00320 DATA0,0,0,0,31,32,69,78,84,69,82,32,83,84,65,82,84,32,84
00330 DATA82,65,67,75,32,32,32,58,0,32,69,78,84,69,82,32,83,84
00340 DATA65,82,84,32,83,69,67,84,79,82,32,32,58,0,32,69,78,84
00350 DATA69,82,32,83,84,65,82,84,32,65,68,68,82,69,83,83,32,58
00360 DATA0,32,69,78,84,69,82,32,70,73,76,69,78,65,77,69,32,58
00370 DATA0,32,69,78,84,69,82,32,70,73,76,69,84,89,80,69,32,58
00380 DATA0,13,32,65,78,79,84,72,69,82,32,80,82,79,71,82,65,77
00390 DATA32,89,47,78,32,58,0
```

W.P. SCREEN MOD BY D.MITCHELL

MODIFICATION TO THE E&F. WORD PROCESSOR FOR LIGHT SCREEN.

WHAT STARTED OUT TO BE JUST A COUPLE OF POKES HAS BLOWN INTO A FULL SCALE MODIFICATION. TO MAKE IT EASIER FOR YOU I HAVE WRITTEN ANOTHER BASIC LOADER.

YOU CAN ALSO CHANGE THE PAGE SKIP (CTRL P) & BLOCK MARKERS (CTRL X) TO THE UP ARROW LEFT IF YOU WISH.

```
UP ARROW = 95 ( INVERSE UP ARROW = 31 )
LEFT ARROW = 94 ( INVERSE LEFT ARROW = 30 )
```

THE ADDRESS FOR PAGE SKIP (CTRL P) IS 32015 THE ADDRESS FOR BLOCK MARKER (CTRL X) IS 31961

POKE THE ADDRESSES WITH WHICH ONE YOU WOULD LIKE BUT MAKE SURE YOU DON'T POKE BOTH ADDRESSES WITH THE SAME NUMBER. YOU CAN TRY IT OUT WHILE IT IS IN MEMORY BY :-

POKE 30862,128:POKE 30863,123:PRINTUSR(0)

TYPE IN THE BASIC LOADER SAVE AND THEN RUN, YOU WILL HAVE A BINARY COPY OF THE MODIFICATION. BLOAD THE WORDPROCESSOR AND THEN BLOAD THE BINARY COPY.

NOW YOU HAVE THREE POKES TO DO :-

POKE -27566, 205: POKE -27565, 62: POKE -27564, 149

THE MODIFICATION IS NOW COMPLETE ALL THAT HAS TO BE DONE IS SAVE THE NEW VERSION OF WORD PROCESSOR.

BSAVE "WORDPROC", 7880, 95A0

BRUN "WORDPROC" AND TEST THE NEW VERSION

NOTE - DO NOT ENTER LEADING ZEROES IN LINE NUMBERS AS THEY ARE RESULT OF BASIC PROGRAM TO WORD PROCESSOR FILE CONVERSION.

```
00001 ; WORD PROCESSOR
                                    - SOURCE CODE LISTING AT LEFT
00002 ; MOD. FOR LIGHT SCREEN
                                    - BASIC LISTING BELOW
00003 ; ORG. 953EH
00004 :05:02:89
            XOR
00005
                  (7818H),A
00006
            LD
00007
            LD
                  A,60H
                   (7C3CH),A
            LD
00008
                   (7CF2H),A
00009
            LD
00010
            LD
                   (898AH),A
            LD
                  DE,8DE0H
00011
                  HL, NO1
00012
            LD
            LD
                  BC,6
00013
            LDIR
00014
00015
            LD
                  DE,7A29H
                  HL,NO2
00016
            LD
00017
            LD
                  BC,23
             LDIR
00018
                  A,6FH
             LD
00019
00020
             LD
                   (8D32H),A
00021
             LD
                   (8D41H),A
             LD
                   (8D50H),A
00022
00023
             LD
                   (8D5FH),A
                  A,70H
00024
             LD
             LD
                   (8D6DH),A
00025
00026
             LD
                   (8061H),A
00027
             LD
                   (809AH),A
             LD
                  HL,7A2EH
00028
                   (7F9DH), HL
             LD
00029
             RET
00030
             JP
                  7A29H
00031 NO1
00032
             NOP
             SET
00033
                  6,A
             RES
00034 NO2
                  5,A
             RES
                  6,A
00035
00036
             RET
             CALL 8DDCH
00037
             CP
00038
                  40H
             RET
00039
                   Z
                   1FH
             CP
00040
             JR
                   NC,X1
00041
             SET
00042 X0
                   6,A
             RET
00043
00044 X1
             RES
                   6,A
00045
             RES
                   7,A
             RET
00046
00010 FORI=38206T038303:READA:POKEI-65536,A:B=B+A:NEXT
00020 IFB<>11406THENPRINT"ERROR IN DATA":END
00030 IFPEEK(16384)<>170THENPRINT"NO DISK DRIVE":END
00040 BSAVE "WP.MOD", 953E, 95A0
00100 DATA175,50,24,120,62,96,50,60,124,50,242,124,50,138,137,17
00110 DATA224,141,33,131,149,1,6,0,237,176,17,41,122,33,137,149
00120 DATA1, 23, 0, 237, 176, 62, 111, 50, 50, 141, 50, 65, 141, 50, 80, 141, 50
00130 DATA95,141,62,112,50,109,141,50,97,128,50,154,128,33,46,122
00140 DATA34,157,127,201,195,41,122,0,203,247,203,175,203,183,201
00150 DATA205,220,141,254,64,200,254,31,48,3,203,247,201,203,183
00160 DATA203,191,201
```

IN ISSUE # 21, PAGES 8-9, DAVE BOYCE HAS SHOWN HOW TO MODIFY THE E & F TAPE WORD PROCESSOR'S PRINT MENU TO DEFAULTS OF YOUR OWN CHOSING. THE PROCEDURE DESCRIBED NEEDED A DISK DRIVE TO CARRY OUT WHICH LEFT TAPE USERS IN THE COLD.

THE REASON WAS THAT WHEN E & F W.P. IS CLOADED FROM TAPE IT AUTORUNS AND MODS CAN'T BE CARRIED OUT. THANKS TO NEVILLE HUGHES TAPE USERS CAN ALSO DO THE MODS NOW, BUT WILL REQUIRE A MONITOR PROGRAM LIKE W.OBRIST'S MONITOR/DEBUGGER. AND NOW TO THE MODS. TYPE IN AND CSAVE TO TAPE THE FOUR LINE MEMORY PEEK PROGRAM.

00010 CLS:PRINT:FORL≈-27610TO-27599:PRINTTAB(10)L; 00020 PRINTUSING"## ";PEEK(L);:IFPEEK(L)<32THENPRINT:GOTO40 00030 PRINTCHR\$(PEEK(L)) 00040 NEXT

AT BOTTOM OF PAGE THERE ARE FOUR SCREEN DUMPS, TWO OF PRINT MENU AND TWO OF WP-PEEK PROGRAM IN ACTION. THE TWO LEFT ONES ARE BEFORE THE MODS WHILE THE TWO RIGHT ONES ARE AFTER THE MODS.

NEXT CLOAD OR CRUN W.OBRIST'S MONITOR PROGRAM. WHEN THE PROMPT APPEARS 'M >' TYPE IN 'L' AND PRESS RETURN MAKING SURE YOU HAVE W.P. TAPE IN YOUR DATASSETTE AND PLAY KEY HAS BEEN PRESSED FIRST. WHEN LOADED YOU SHOULD SEE THE FOLLOWING INFORMATION :-

7B80 - REM START ADDRESS OF W.P. IN MEMORY 957F - REM END ADDRESS OF W.P. IN MEMORY 19FF - REM LENGTH OF PROGRAM IN MEMORY M >

ENTER 'B' AND PRESS RETURN WHICH WILL RETURN YOU TO BASIC.

CRUN"WP-PEEK" AND YOU SHOULD SEE ON THE SCREEN A DISPLAY AS PER BOTTOM LEFT SCREEN DUMP PROVIDED YOUR W.P. HAS'NT BEEN MODIFIED.

| PRINT TEXT | |
|--|---|
| SCREEN OR PRINTER (S/P) RIGHT-JUSTIFY (Y/N) PAGE WIDTH (20-99) LEFT MARGIN (0-80) PAGE LENGTH (10-99) INTER-PAGE LENGTH (0-9) AUTO-NEXT-PAGE (Y/N) PAGE NUMBERING (Y/N) FIRST PAGE NUMBER (1-99) SUPRESS FINAL F-F (Y/N) DOUBLE SPACING (Y/N) NUMBER OF COPIES (1-9) | ????902 ???????????????????????????????? |

| PRINT TEXT | |
|--|---|
| SCREEN OR PRINTER (S/P) RIGHT-JUSTIFY (Y/N) PAGE WIDTH (20-99) LEFT MARGIN (0-80) PAGE LENGTH (10-99) INTER-PAGE LENGTH (0-9) AUTO-NEXT-PAGE (Y/N) PAGE NUMBERING (Y/N) FIRST PAGE NUMBER (1-99) SUPRESS FINAL F-F (Y/N) DOUBLE SPACING (Y/N) NUMBER OF COPIES (1-9) | 50 50 50 50 50 50 50 50 50 50 50 50 50 5 |

THE NUMBERS ON THE LEFT REPRESENT MEMORY LOCATIONS OF THE PRINT MENU DEFAULTS, NEXT THE ASCII NUMBERS FOLLOWED BY ALPHABETIC EQUIVALENTS. KNOWING THE MEMORY LOCATIONS WE CAN POKE THE NEW DEFAULTS IN, IT'S AS EASY AS THAT. AND NOW TO THE MODS AND WE'LL TAKE EACH DEFAULT IN TURN.

SCREEN OR PRINTER (S/P) ?P POKE -27610.80 FOR PRINTER - POKE -27610.83 FOR SCREEN.

RIGHT-JUSTIFY (Y/N) ?Y POKE -27609,89 FOR YES - POKE -27609,78 FOR NO

PAGE WIDTH (20-99) 731 POKE -27608,N - N=20 TO 99 - YOUR CHOICE

LEFT MARGIN (0-80) 700 POKE -27607.N - N= 0 to 80 - Your Choice

PAGE LENGTH (10-99) 762 POKE -27606.N - N=10 TO 99 - YOUR CHOICE

INTER-PAGE LENGTH (0-9) 74
POKE 27605,N - N= 0 TO 9 - YOUR CHOICE

AUTO-NEXT-PAGE (Y/N) ?Y POKE -27604,89 FOR YES - POKE -27604,78 FOR NO

PAGE NUMBERING (Y/N) ?N
POKE -27603.89 FOR YES - POKE -27603.78 FOR NO

FIRST PAGE NUMBER (1-99) 701 POKE -27602,N - N= 1 TO 99 - YOUR CHOICE

SUPPRESS FINAL F-F (Y/N) ?N POKE -27601,89 FOR YES - POKE -27601,78 FOR NO

DOUBLE SPACING (Y/N) 7N POKE -27600,89 FOR YES - POKE -27600,78 FOR NO

NUMBER OF COPIES (1-9) ?1 POKE -27599, N - N= 1 TO 9 - YOUR CHOICE

WELL THAT COVERS ALL THE DEFAULTS. ONLY CHANGE THE DEFAULTS YOU REQUIRE. TYPE IN RUN AND PRESS RETURN AND YOU SHOULD GET A SCREEN DISPLAY WITH YOUR NEW DEFAULTS. DOUBLE CHECK TO MAKE SURE THEY ARE CORRECT AND IF NOT REPEAT PROCESS ON THOSE THAT ARE NOT.

BE VERY CAREFULL WHEN POKING NUMBERS AS A POKE TO THE WRONG MEMORY LOCATION CAN CORRUPT W.P. IF EVERYTHING IS OK THEN IT'S TIME TO SAVE MODIFIED W.P. TO TAPE USING THE FOLLOWING FORMAT:

ENTER PRINT USR(0) <RET> - AND YOU'LL BE BACK IN THE MONITOR.

ENTER S 7880 957F B "MOD-WP" - START DATASSETTE WITH NEW TAPE AND PRESS RETURN AND MODIFIED W.P. WILL BE SAVED TO TAPE.

ALL THAT REMAINS NOW IS TO TEST IT OUT. RESET THE VZ AND CRUN YOUR MODIFIED W.P. AND SELECT PRINT MENU AND THE DEFAULTS SHOULD BE AS PER YOUR SPECS. EVEN THOUGH THE MODS ARE MINOR THE W.P. PRINT MENU IS MUCH EASIER TO USE.

VZ USER GROUPS/PUBLICATIONS-25/16

CONTRIBUTIONS TO THE HUNTER VALLEY VZ JOURNAL :-

IF YOU ARE THINKING OF CONTRIBUTING TO THE JOURNAL THE PREFERED FORMAT IS BASIC LISTINGS, WORD PROCESSOR OR SOURCE CODE FILES ON TAPE OR DISK. FILES FROM THE FOLLOWING WORD PROCESSORS CAN BE ACCEPTED :-

& F TAPE OR DISK, WORDPRO CARTRIDGE AND ALL QUICKWRITE WPORDPROCESSOR FILES.

WANTED TO BUY -----

64K RAM PACKS & VZ200 6K RAM BOARDS - CONTACT JOE LEON 22 DRURY STREET WALLSEND NSW 2287 --- PHONE (049) 51 2756

CLUB MEETINGS -----

FIRST FRIDAY OF MONTH - NO MEETING IN JANUARY 1990

VENUE - JESMOND NEIGHBOURHOOD CENTRE MORDUE PARADE JESMOND (REAR STOCKLAND MALL - BIG W)

4 - COMMODORE 64 DEMONSTRATION

SEPTEMBER 1 - VZ DISK DRIVE DEMONSTRATION - MODIFICATIONS - ETC

OCTOBER 6 - SPEECH SYNTHESISER NOVEMBER 3 - TO BE NOTIFIED IN SEPT/OCT ISSUE # 26

DECEMBER 3 - CHRISTMAS MEETING - BRING FAMILY, FRIENDS & PLATE

FUTURE DEMONSTRATIONS - AUCTION NIGHT - USING THE VZ, RITTY, EPROM BURNER & ERASER, ETC. IF YOU HAVE ANY IDEAS FOR A DEMONSTRATION THEN PLEASE LET US KNOW.

CLUB COMMITTEE & SUBSCRIPTIONS -

PRESIDENT ----- ROSS WOODS --- (049) 71 2843 SECRETARY/EDITOR -- JOE LEON ---- (049) 51 2756 TREASURER ----- GARY BULLEY -- (049) 54 7561

COMMITTEE MEMBERS - COLIN BRIDGE - ANDREW IRWINE - PETER JONES

SUBSCRIPTION TO - AUST. - 6 MONTHS \$11.00 - 12 MONTHS \$21.00 H. V. VZ. JOURNAL - N. Z. - 6 MONTHS \$13.00 - 12 MONTHS \$26.00

HUNTER VALLEY VZ USERS' GROUP - P.O. BOX 161 JESMOND 2299 NEW SOUTH WALES AUSTRALIA

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NOTE :- WHEN WRITING TO ANY ABOVE OR H.V.VZ. USERS' GROUP FOR INFORMATION PLEASE ENCLOSE A S.S.A.E. OR NZ 2 INT. REPLY COUPONS.

PATCH 3.3 WRITTEN BY DAVE MITCHELL WILL CONVERT YOUR E & F TAPE WORD PROCESSOR FOR FULL DISK USE WHILE RETAINING ALL ORIGINAL FUNCTIONS. BELOW ARE ADDED DISK COMMANDS & FUNCTIONS :-

LOAD, SAVE, ERASE, RENAME, DIRECTORY, INITIALIZE, UPDATE, DRIVE & 2, SHIFTLOCK & IMBEDDED PRINTER CONTROL CODES PLUS CTRL+P WHICH BYPASSES PRINT MENU AND PRINTS TO SCREEN OR PRINTER. A ROUTINE IS ALSO PROVIDED TO CONVERT YOUR BASIC PROGRAM OR SOURCE CODE FILES INTO WORD PROCESSOR FILES.

PATCH 3.3 HAS PROVISION FOR IMBEDDING PRINTER CONTROL CODES IN TEXT AND FAST SAVING AND LOADING OF TEXT DATA TO AND FROM DISK USING BLOCK SAVE/LOAD TECHNIQUES. PRINTER CONTROL CODES CAN BE SAVED TO TAPE OR DISK.

BSTWP.F - THIS UTILITY PROVIDED WITH PATCH 3.3 WILL CONVERT BASIC PROGRAMS AND ED/ASS. SOURCE CODE FILES INTO WORD PROCESSOR FILES.

SYSTEM REQUIREMENTS - VZ 300 + 16K RAM PACK - VZ 200 + 26K

PATCH 3.3 IS COPYRIGHT TO AND ONLY AVAILABLE FROM :-HUNTER VALLEY VZ USERS' GROUP P.O.BOX 161 JESMOND 2299 N.S.W. AUSTRALIA - PHONE JOE LEON (049) 51 2756

PRICE - AUS/NZ AU\$20.00 - UPDATE - AUS-\$10.00 - NZ-AU\$11.00. UPDATING AVAILABLE ONLY TO PREVIOUS PURCHASERS OF PATCHES.

FOR MORE INFORMATION WRITE TO H.V.VZ.U.G. ENCLOSING A SSAE.

EXTENDED DOS V1.3 - \$15.00

UPDATED VERSION WITH EXTRA COMMANDS ADDED :-

OLD COMMANDS - MERGE, DIRA, LDIRA, DIRB, LDIRB, OLD, OLD., DEC, HEX, STATUSA AND LSTATUSA. STATUSA AND LSTATUSA ALSO WORKS WITH VERSION 1.0 DOS.

NEW COMMANDS :-

MENU - LOADS AND RUNS BINARY OR TEXT MENU PROGRAM FROM DISK.

CODE - SIMPLIFIES USING PRINTER CONTROL CODES DIRECTLY OR FROM WITHIN A PROGRAM.

LTAB - IS FOR SETTING OF LEFT MARGIN.

MOVE - MOVES BASIC FILE FROM DISK TO CHOSEN MEMORY ADDRESS.

UPD - ERASES OLD FILE AND SAVES WITH SAME FILE NAME.

MENU/FILE COPIER - \$15.00

THIS UTILITY WILL READ YOUR DISK DIRECTORY AND PRESENT YOU WITH SEVERAL OPTIONS. USING THE CURSOR YOU CAN RUN/BRUN ANY PROGRAM OR SELECT FILE COPY, REN, ERASE, DRIVE 1 OR 2, ETC. BESIDES COPYING TEXT AND BINARY FILES ALL OTHER FILES CAN BE COPIED AS WELL EXEPT FOR DATA FILES.

FOR PURCHASE OR INFORMATION CONTACT DAVE MITCHELL - (079) 27 8519 24 ELPHINSTONE ST. NORTH ROCKHAMPTON QUEENSLAND 4701

FOR INFORMATION OR DEMONSTRATION IN NEWCASTLE AREA CONTACT :- JOE LEON - (049) 51 2756 - 22 DRURY ST. WALLSEND NSW 2287

COMMERCIAL SOFTWARE FOR D.SMITH VZ 200/300 COLOUR COMPUTER

COMPILED ORIGIONALLY :JULY 1986.
UPDATED :DECEMBER 1986.
JUNE 1987.
NOVEMBER 1987.
SEPTEMBER 1988.

BY:-EDDIE TOMES 3 KILKENNY ST. CAPALABA QLD. 4157 PHONE (07) 390 2797 HOME

PLEASE NOTE

AS COMPILER OF THIS LIST I DO NOT HOLD COPIES OF, OR HAVE DISTRIBUTION RIGHTS FOR ALL OF THESE PROGRAMS BUT WILL ASSIST IN CONTACTING THE APPLICABLE SOFTWARE HOUSE IF REQUIRED. THE ADDRESSES ARE NOT INCLUDED IN THIS LIST AS A NUMBER HAVE CHANGED OR ARE NO LONGER TRADING AND I WISH TO PREVENT AS MANY PROBLEMS AS POSSIBLE FOR USERS IN OBTAINING THE PROGRAMS OF THEIR CHOICE BY GIVING THE LATEST INFORMATION KNOWN.

TO AVOID ALL THE MENTIONED SOFTWARE BEING LOST TO THE FUTURE VZ USER IT WOULD BE AN ADVANTAGE TO HAVE A CENTRAL LIBRARY TO HOLD A COPY OF THESE PROGRAMS SO THAT THEY WOULD BE AVAILABLE WHEN PRESENT SUPPORT IS NO LONGER AVAILABLE. THIS WOULD BE DONE ONLY ONCE COPYRIGHT RESTRICTIONS HAVE PASSED OR WRITERS PERMISSION HAS BEEN OBTAINED. APPROPRIATE CHARGES WOULD THEN BE APPLIED TO COVER EXPENSES OF TAPES OR DISKS AND POSTAGE ETC.

PLEASE ADVISE ME OF YOUR THOUGHTS ON THIS.

I WOULD BE INTERESTED TO HEAR OF ANY NEW OR OLD SOFTWARE THAT IS NOT LISTED SO THIS CATALOGUE CAN BE UPDATED AT REGULAR INTERVALS. PLEASE ADVISE PROGRAM NAME AND ALSO NAME AND ADDRESS OF WRITER / DISTRIBUTOR TO ENABLE CORRECT RECORDS TO BE KEPT.

A NUMBER OF PROGRAMS APPEAR UNDER SEVERAL SUPPLIERS AND ARE SOLD ON BEHALF OF THE ONE WRITER OVER A PERIOD OF YEARS. ALSO SEVERAL DIFFERENT VERSIONS MAY HAVE BEEN AVAILABLE AS THE PROGRAMS ARE IMPROVED AS TIME GOES BY.

SOME SOFTWARE COMPANIES HAVE EITHER CLOSED OR ARE NOW DISTRIBUTING UNDER NEW NAMES.

LYSCO STOPPED SELLING VZ SOFTWARE 31ST. JUL 86 BUT NO FURTHER WORD ON NEW DISTRIBUTOR FOR THESE PROGRAMS.

CELESTRON ALSO N. SARAFOUDIS. THESE PROGRAMS VERY HARD TO OBTAIN EVEN WITH A PERSONAL APPROACH .

COSMIC-.... APPEARS TO HAVE BEEN TAKEN OVER BY DSE.

R.S.MILLER CLOSED DOWN.

J.HIRST ALSO TRADED AS HI-COM SOFTWARE.

BJELIC MOST OF THIS SOFTWARE APPEARS TO BE PIRATE COPIES.

VDU SOFTWARE IT HAS CLOSED DOWN IT'S SOFTWARE COMPANY ALTHOUGH THE USER GROUP IS STILL KEEP OPERATING.

CORRECTION VSW PROGRAM LISTED AS FLIGHTDECK APPEARS TO BE INCORRECT NAME FOR AIR TRAFFIC CONTROLLER.

SOFTWARE LIST CONTINUED 25/16

| CONAN THE BARBA | ARTAN CEL | S | TELLAR WARS | VDU |
|------------------------------------|--------------|---|-----------------------------------|----------------------------|
| GALACTIC FIGHTE | R CEL | T | RIVIAL CULT | V DU V DU |
| GHOULBUSTERS | CEL | V | Z MONOPOLY | VDU |
| JAILHOUSE BREAK LUNAR LANDERS 2 | COUT CEL | A | IR TRAFFIC CONTROLLER | LAS |
| MINATOUR PERILE | | В | JUST OUT | LAS |
| REACTOR DDESTRU | | | ,00,110 ,12000 | LAS |
| ROYAL POKER | CEL | | | LAS |
| THERMONUCLEAR V | NAR CEL | | ENO | LAS LAS |
| TITANIUM TRIOL | | | EARJET IGHT PEN PUZZLE | LAS |
| 3D MERCILESS MA | AZE CEL | - | AGNUM QUEST | LAS |
| Colf | CAR | | SOLO BATTLESHIPS | LAS |
| GOLF SKIING | CAR | _ | D MAZE | LAS |
| STAR PILOT | CAR | V | /Z WERM | LAS |
| TARGET | CAR | _ | | 600 |
| | | T | TEACHER ZAPPER | SOR |
| ASTRO SAVE | TAI | _ | RACULA'S MAZE | BNE |
| BRIGHT IDEA | TAI TAI | | OCTAPUS | BNE |
| CAVERN CHAOS CIRCUITRY | TAI | | | |
| CROSS OVER | TAI | E | BASE DEFENDER | LY0 |
| ENERVAC | TAI | | 1EMORY | LYO |
| FLAG CLIMBER | TAI | | TO THE HILLS | LY0 |
| FIGHTER | TAI | | GRAPHICS 1 | LYO |
| FUSE | TAI | | GRAPHICS 2 | LYO LYO |
| GHOSTLY MAZE | TAI TAI | | (RICHON RALLY | LYO |
| GRAVE DIGGER HUNTER | TAI | | DRAW | LYO |
| MISSILE SAFE | TAI | | VENTURE | LYO |
| MOWER MANIA | TAI | | | |
| PATTERN GUESS | TAI | | AIR TRAFFIC CONTROLLER | BJE |
| PHANTOM DRIVER | TAI | | ASTEROIDS | BJE |
| PIANO SONGS | TAI | | BLACKJACK | BJE BJE |
| SAVE ME | TAI | | CHECKERS CIRCUS | BJE |
| SHARK BAIT SHOOT | TAI | | | BJE |
| SNAKE | TAI | | GALAZIAN ADVENTURE | BJE |
| SNAKE TRAILS | | | GHOST HUNTER | BJE |
| SNAKE TRAP | · TAI | (| GOLF LESSON | BJE |
| THREE HUNDRED | | | HANGMAN HOPPY | BJE BJE |
| WORD TEASER | TAI | ! | INVADERS | BJE |
| ENCHANTED PRIN | icess McC | | KNIGHTS & DRAGONS | |
| HI - JINKS | McC | | LADDER CHALLENGE | BJE |
| GAMBLERS PACK | McC | | LEARJET | BJE |
| GRAPHIC GOLF | | | PANIC | BJE |
| SULTANS PALACE | MCC G McC | | PLANET PATROL | BJE BJE |
| TEN PIN BOWLIN VZ RACER | IG MCC | | POKER RALLY X | BJE |
| VZ RACER | | | STAR BLASIER | BJE |
| STAR TREKER | APE | | | BJE |
| THE LOST CROWN | APE | | TENNIS | BJE |
| | | | | |
| BLACKJACK ROYA | ALE VOU | | EDUCATIONAL PROGRA | **** |
| CASTLE GREYSTO | | | ELEMENTRY GEOMETRY | |
| FBI 2001 GALCTIC EMPIRE | | | FLASHCARD 1 & 2 | DSE / |
| HAUNTED MANSIC | | | FLASHCARD 5 & 4 | Ω 2Ε ∀ |
| KNIGHTS QUEST | VDU | | MATHS ARMADA | DSE 🏑 |
| SCOTLAND YARD | VDU | - | METRIC SPYCATCHER MUSIC WRITER | DSE |
| SNAKE DUEL | VDU | | MUSIC WRITER | D2E ✓ |

SOFTWARE LIST CONTINUED 25/18

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|--|--|---|--|--------|
| VZ EXTRA COMMANDS | LEH | | | |
| DISK MENU POSTER SHOP ART GALLERY TAPE I.D. TAPE / DISK LIST | BNE BNE BNE BNE BNE | | | |
| PROGRAM COPIER | SAR | | | |
| RETRIEVAL PROGRAM | BRO | | | |
| COPIER | SUN | | | |
| VZ CHIP 8 | GRI | | | |
| GRAF STAR NAME STAR SHOP STAR | VDU VDU VDU | | | |
| SCREEN ED | MTS | | | |
| E+F WP DISK PATCH *********************************** | **** ORS **** | | | |